

REMARKS/ARGUMENTS

Claims 1 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 (US 6,483,498 A1) in view of Boyd et al. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Boyd, and further in view of 5 Colgan2 (US 6,117,918 B1). Claims 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Boyd, and further in view of Hinata (U.S. 6,369,865 B2). Claims 13 and 15-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Mai (US 2004/0141096 A1) and further in view of Boyd. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over 10 Colgan1 in view of Mai and Boyd, and further in view of Colgan2. Claims 20-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Ikeda et al. (US 2001/0020986 A1) and further in view of Boyd.

1. Rejection of claims 1 and 12 under 35 U.S.C. 103(a):

15 Claims 1 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Boyd for reasons of record, as recited on pages 3-4 of the above-indicated Office action.

Response:

20 Claim 1 and claim 12 have been amended to specifically describe the input-sensor-integrated liquid crystal display panel of the present application. The limitation of “the second substrate has at least one edge jutting out the first substrate and connecting to the detecting circuit” added to claim 1, and the limitation of “the second substrate has at least one protrusion jutting out the first substrate” added to 25 claim 12 can be supported by paragraphs [0017], [0019], [0022] of the specification and the drawings FIG. 4-FIG. 5. No new material has been introduced. Acceptance of the amended claim 1 and the amended claim 12 is respectfully requested.

The structure, functionality and purpose of the coupler 44 in Boyd's disclosure are obviously different from those of the substrate protrusion in the

present application. Furthermore, Colgan1 or Boyd dose not teach or suggest that the upper substrate connects to the detecting circuit, which is taught in the amended claim 1 of the present application. As mentioned in paragraph [0017] and paragraph [0019] of the specification in the present application, the protrusion of the top substrate 202 jutting out the bottom substrate 204 can be applied to installation of signal connecting contacts, and can connect to a controlling circuit or a detecting circuit outside. By contrast, the coupler 44 is used for converting the light supplied from the point source 42 to a line source in Boyd's disclosure. The supplied light then enters light input face 14 of the front light guide 12, and passes down into and then back up out of reflective light valve (in this case a reflective LCD) 36. The coupler 44 is not integral with the front light guide 12, so the edge of the front light guide 12 does not jut out the reflector 40 in Boyd's disclosure. In addition, as shown in the drawings of Colgan1's disclosure, the color filter plate 18 taught by Colgan1 does not have an edge jutting out the TFT array plate 8.

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Subsequently, the front light guide 12 of Boyd's disclosure is obviously not the second substrate having a touch-detecting circuit and a color filter taught in the present application, and the reflector 40 of Boyd's disclosure is obviously not the first substrate having at least one pixel controlling circuit taught in the present application.

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It is disclosed in claim 1 of the present application that the liquid crystal layer filled between the space formed by the first substrate and the second substrate. However, there is at least a gap 35 between the reflective LCD 36 and the tough-sensitive transducer 23 of the illuminated touch panel display 10 in Boyd's disclosure. In other words, the illuminated touch panel display 10 in Boyd's disclosure is a stacked structure of individual reflective LCD 36 and individual tough-sensitive transducer 23. Please refer to MPEP 2141.02 VI. PRIOR ART MUST BE CONSIDERED IN ITS ENTIRETY, INCLUDING DISCLOSURES THAT TEACH AWAY FROM THE CLAIMS: A prior art reference must be considered in its entirety, i.e., as a whole, including portions that would lead away from the claimed invention.

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Furthermore, Examiner point that a person having ordinary skill in the art can not incorporate the idea of having a second substrate having at least one protrusion jutting out the first substrate as taught by Boyd into the input-sensor-integrated liquid crystal displayer panel as taught by Colgan1 in order to increase the displayer's reflectivity 5 and brightness in well-lit ambient light conditions. However, Colgan1 or Boyd does not teach or suggest to integrate a CF panel with a front light guide, so the combination of Colgan1 and Boyd is obviously decrease the display's brightness due to the stacked structure.

10 Neither Colgan1 nor Boyd teach "the second substrate has at least one edge jutting out the first substrate and connecting to the detecting circuit", so the amended claim 1 should be allowable in consideration of 35 U.S.C. 103(a). Reconsideration of claim 1 is respectfully requested. Since claim 12 is dependent upon the amended claim 1, it should be allowable if the amended claim 1 is allowable. Reconsideration of 15 claim 12 is respectfully requested.

2. Rejection of claim 6 under 35 U.S.C. 103(a):

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Boyd, and further in view of Colgan2 for reasons of record, as recited on 20 pages 4-5 of the above-indicated Office action.

Response:

As the above mentioned, claim 1 has been amended to contain the limitation of "the second substrate has at least one edge jutting out the first substrate and 25 connecting to the detecting circuit". Please refer to Colgan1 and Colgan2, Colgan1 does not teach that the color filter plate 18 has at least one edge jutting out the TFT array plate 8, and Colgan2 does not teach that the top substrate 24 has at least one edge jutting out the bottom substrate 22.

30 The combination of Colgan1's disclosure and Colgan2's disclosure does not

teach all the limitations disclosed in the amended claim 1. Thus, the amended claim 1 should be allowable in consideration of 35 U.S.C. 103(a). Since claim 6 is dependent upon the amended claim 1, it should be allowable if the amended claim 1 is allowable. Reconsideration of claim 6 is respectfully requested.

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3. Rejection of claims 8 and 9 under 35 U.S.C. 103(a):

Claims 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Boyd, and further in view of Hinata for reasons of record, as recited on pages 5-7 of the above-indicated Office action.

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Response:

Claim 1 has been amended to contain the limitation of "the second substrate has at least one edge jutting out the first substrate and connecting to the detecting circuit". Please refer to Colgan1 and Hinata, Colgan1 does not teach that the color filter plate 18 has at least one edge jutting out the TFT array plate 8, and Hinata does not teach that the top substrate 8a has at least one edge jutting out the bottom substrate 8b.

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The combination of Colgan1's disclosure and Hinata's disclosure does not teach all the limitations disclosed in the amended claim 1. Thus, the amended claim 1 should be allowable in consideration of 35 U.S.C. 103(a). Since claims 8 and 9 are dependent upon the amended claim 1, they should be allowable if the amended claim 1 is allowable. Reconsideration of claims 8 and 9 is respectfully requested.

4. Rejection of claims 13 and 15-19 under 35 U.S.C. 103(a):

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Claims 13 and 15-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Mai and further in view of Boyd for reasons of record, as recited on pages 7-10 of the above-indicated Office action.

Response:

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Claim 13 and claim 19 have been amended to specifically describe the

input-sensor-integrated liquid crystal display panel of the present application. The limitation of “the second substrate has at least one edge jutting out the first substrate and connecting to the detecting circuit” added to claim 13, and the limitation of “the second substrate has at least one protrusion jutting out the first substrate” added to 5 claim 19 can be supported by paragraphs [0017], [0019], [0022] of the specification and the drawings FIG. 4-FIG. 5. No new material has been introduced. Acceptance of the amended claim 13 and claim 19 is respectfully requested.

Compared with claim 13 of the present application, Colgan1 does not disclose 10 that the color filter plate 18 has at least one edge jutting out the TFT array plate 8, and Mai does not disclose that the upper substrate 132 has at least one edge jutting out the lower substrate 118. Neither Colgan1 nor Mai teaches that the second substrate has at least one edge jutting out the first substrate, so the combination of Colgan1’s disclosure and Mai’s disclosure does not disclose all the limitations of the structure in 15 the amended claim 13. Therefore, the amended claim 13 should be allowable in consideration of 35 U.S.C. 103(a). Reconsideration of claim 13 is respectfully requested.

Since claims 15-19 are dependent upon the amended claim 13, they should be 20 allowable if the amended claim 13 is allowable. Reconsideration of claims 15-19 is respectfully requested.

5. Rejection of claim 14 under 35 U.S.C. 103(a):

Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 25 in view of Mai and Boyd, and further in view of Colgan2 for reasons of record, as recited on pages 10-11 of the above-indicated Office action.

Response:

As the above mentioned, claim 13 has been amended to contain the limitation of 30 “the second substrate has at least one edge jutting out the first substrate and

connecting to the detecting circuit". However, Colgan1 does not disclose that **the color filter plate 18 has at least one edge jutting out the TFT array plate 8**, Mai does not disclose that **the upper substrate 132 has at least one edge jutting out the lower substrate 118**, and Colgan2 does not teach that **the top substrate 24 has at least one edge jutting out the bottom substrate 22**.

The combination of Colgan1's disclosure, Mai's disclosure and Colgan2's disclosure does not disclose all the limitations of the structure in the amended claim 13. Therefore, the amended claim 13 should be allowable in consideration of 35 U.S.C. 103(a). Since claim 14 is dependent upon the amended claim 13, it should be allowable if the amended claim 13 is allowable. Reconsideration of claim 14 is respectfully requested.

6. Rejection of claims 20-27 under 35 U.S.C. 103(a):

Claims 20-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Colgan1 in view of Ikeda et al. and further in view of Boyd for reasons of record, as recited on pages 11-14 of the above-indicated Office action.

Response:

Claim 20 and claim 27 have been amended to specifically describe the input-sensor-integrated liquid crystal display panel of the present application. The limitation of "the second substrate has at least one edge jutting out the first substrate and connecting to the detecting circuit" added to claim 20, and the limitation of "the second substrate has at least one protrusion jutting out the first substrate" added to claim 27 can be supported by paragraphs [0017], [0019], [0022] of the specification and the drawings FIG. 4-FIG. 5. No new material has been introduced. Acceptance of the amended claim 20 and claim 27 is respectfully requested.

Compared with claim 20 of the present application, Colgan1 does not disclose that **the color filter plate 18 has at least one edge jutting out the TFT array plate 8**,

and Ikeda et al. do not disclose that the upper substrate 4 has at least one edge jutting out the lower substrate 3. Neither Colgan1 nor Ikeda et al. teach that the second substrate has at least one edge jutting out the first substrate, so the combination of Colgan1's disclosure and Ikeda's disclosure does not disclose all the limitations 5 present in the amended claim 20. Therefore, the amended claim 20 should be allowable in consideration of 35 U.S.C. 103(a). Reconsideration of claim 20 is respectfully requested.

Since claims 21-27 are dependent upon the amended claim 20, they should be 10 allowable if the amended claim 20 is allowable. Reconsideration of claims 21-27 is respectfully requested.

15 Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Sincerely yours,



Date: 01/09/2008

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Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan.)